

REMARKS

Claims 1-23 are pending in this application. By this Amendment, claims 1-3, 5-8, 10, 12, 14-16, and 19 are amended. Support for the claims can be found throughout the specification, including the original claims and drawings. No new matter is added. Reconsideration in view of the above amendments and following remarks is respectfully requested.

Entry of the amended claims is proper under 37 C.F.R. §1.116 since the amendments: (1) place the application in condition for allowance for the reasons discussed herein; (2) do not raise any new issues requiring further search and/or consideration since the amendments amplify issues previously discussed throughout prosecution without incorporating additional subject matter; (3) satisfy a requirement of form asserted in the previous Office Action; and/or (4) place the application in better form for appeal, if necessary. Entry is thus requested.

The Office Action rejected claims 1-4, 6-8, and 19-22 under 35 U.S.C. §103(a) as being unpatentable over Irube et al. (hereinafter "Irube"), U.S. Patent Application Publication No. 2001/0041586, in view of Rossi et al. (hereinafter "Rossi"), U.S. Patent No. 5,672,820. The rejection is respectfully traversed.

Independent claim 1 has been amended to recite that the direction data is displayed within the image which is captured by the apparatus and displayed by the LCD module. Independent claim 19 has been amended to recite that the formed image frame includes the compass orientation direction data as part of the image to be displayed. Irube and Rossi, taken

alone or in combination, fail to disclose or suggest at least these features, and the claimed combinations of independent claims 1 and 19.

That is, Irube merely discloses a communication terminal apparatus, which includes, as illustrated in Figure 3, a terminal main body 1 and a terminal direction sensor unit 35, along with a camera direction sensor unit 28. The camera direction sensor unit 28 detects the presence/absence of an attached camera unit 4. The camera direction sensor unit 28 merely determines whether the camera unit 4 is on a front or back side from the side of the display surfaces of the video LCD and the text LCD 16. The terminal direction sensor unit 35 merely senses whether the terminal main body 1 is oriented on its side in landscape state or upright in portrait state.

Rossi, on the other hand, discloses an object location identification system, which includes a receiving module (RM), an angular measuring system (AMS), and a processor. The RM receives information specifying the user's location and provides RM output data in terms of latitude, longitude, and altitude for input to a map referencing element (MRE), which receives the location data and retrieves real-time graphic map displays associated with the object's specific location. There is no disclosure or suggestion in Rossi that the location data is displayed by the Rossi pointing device. In fact, the display referred to by the Examiner in Figure 5 is part of a ground station 86.

Thus, the applied references, taken alone or in combination, fail to disclose or suggest at least displaying direction data within an image captured by the apparatus and displayed by an

LCD module of the apparatus, as recited in independent claim 1, or transmitting to a base station a formed image frame which include compass orientation direction data as part of the image to be displayed, as recited in independent claim 19. Accordingly, the rejection of independent claims 1 and 19 over the Irube-Rossi combination should be withdrawn. Dependent claims 2-4, 6-8, and 20-22 are allowable at least for the reasons discussed above with respect to independent claims 1 and 19, from which they respectively depend, as well as for their added features.

The Office Action rejected claims 9 and 23 under 35 U.S.C. §103(a) as being unpatentable over Irube, in view of Rossi, and further in view of Takahashi et al. (hereinafter “Takahashi”), U.S. Patent No. 6,516,094. The rejection is respectfully traversed.

Takahashi fails to overcome the deficiencies of the Irube-Rossi combination discussed above with respect to independent claims 1 and 19, from which claims 9 and 23 respectively depend, as Takahashi is merely cited for teaching the formulation of null data. Accordingly, the rejection of dependent claims 9 and 23 over the combination of Irube, Rossi, and Takahashi should be withdrawn.

The Office Action rejected claim 5 under 35 U.S.C. §103(a) as being unpatentable over Irube, in view of Rossi, and further in view of Rudow et al. (hereinafter “Rudow”), U.S. Patent No. 6,236,940. The rejection is respectfully traversed.

Rudow fails to overcome the deficiencies of the Irube-Rossi combination discussed above with respect to independent claim 1, from which claim 5 ultimately depends, as Rudow is

merely cited for displaying the position of a golfer on one side of a screen of a display monitor. Further, Rudow discloses a display monitor for golf cart yardage and information system. More particularly, Rudow discloses a display monitor for a golf cart (see Figure 1C of Rudow), which can display a color map of each hole of the golf course (see Abstract of Rudow; col. 8, lines 56-60 of Rudow). In Figure 20, the distance of the golf cart, and thus the golfer to the hole is represented by a unique symbol whose movement tracks that of the golf cart on the displayed map (see also Abstract of Rudow; col. 61, lines 64-67 of Rudow). The actual yardage (from the golf cart to the hole) can also be displayed adjacent the map of the hole (see Figure 20 of Rudow; col. 61, lines 55–col. 62, lines 3 of Rudow). Thus, Rudow also fails to disclose or suggest displaying direction data within an image captured by the apparatus and displayed by an LCD module of the apparatus, as recited in independent claim 1.

Accordingly, the rejection of claim 5 over the combination of Irube, Rossi, and Rudow should be withdrawn.

The Office Action rejected claims 10 and 12-18 under 35 U.S.C. §103(a) as being unpatentable over Irube in view of Rossi, and further in view of Rudow and Berstis, U.S. Patent No. 6,542,824. The rejection is respectfully traversed.

Independent claim 10 has been amended to recite that the compass orientation data is displayed within the image on the screen of the LCD. Irube, Rossi, and Rudow fail to disclose or suggest such features, or the claimed combination. As discussed above, none of these applied references discloses or suggests displaying direction data, and thus does not disclose or suggest

displaying compass orientation data, within the image on the screen of an LCD. Berstis fails to overcome the deficiencies of Irube, Rossi, and Rudow, as it is merely cited for disclosing an apparatus that determines a subsequently displaced orientation direction without using a GPS receiver.

Accordingly, the rejection of independent claim 10 over the combination of Irube, Rossi, Rudow, and Berstis should be withdrawn. Dependent claims 12-18 are allowable at least for the reasons discussed with respect to independent claim 10, from which they respectively depend, as well as for their other claimed features.

The Office Action rejected claim 11 under 35 U.S.C. §103(a) as being unpatentable over Irube, in view of Rossi, and further in view of Rudow, Berstis, and Takahashi. The rejection is respectfully traversed.

Takahashi fails to overcome the deficiencies of Irube, Rossi, Rudow, and Berstis, discussed above with respect to independent claim 10, from which claim 11 depends, as Takahashi is merely cited for teaching information of null data. Accordingly, the rejection of dependent claim 11 over the combination of Irube, Rossi, Rudow, Berstis, and Takahashi should be withdrawn.

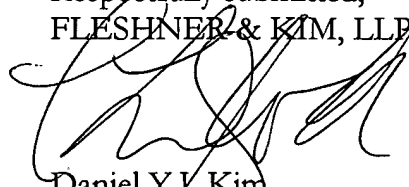
In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **Carol L. Druzback**, at the telephone number listed below.

Serial No: 09/996,712
Reply to the Office Action dated May 10, 2004

Docket No. P-0289

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
FLESHNER & KIM, LLP



Daniel Y.J. Kim
Registration No. 36,186
Carol L. Druzbeck
Registration No. 40,287

P.O. Box 221200
Chantilly, Virginia 20153-1200
703 766-3701 DYK:CLD/kah
Date: September 10, 2004

Please direct all correspondence to Customer Number 34610